

# SPHERILEX® AC 45 & SPHERILEX® AC 45 HS

NEW

Two new products and one common goal to provide efficient, innovative and environmentally friendly corrosion protection to your coating formulation!



## Evonik Coating Additives welcomes a brand-new effect in its portfolio, our unique series of anticorrosion pigments: SPHERILEX® AC 45 & SPHERILEX® AC 45 HS

Leveraging our decades of knowledge in silica-based specialties and our expertise in coatings and inks, Evonik has taken a step further by providing unique functionality for corrosion prevention.

Powered by our SPHERILEX® silica platform, these new anticorrosion pigments deliver outstanding performance with an improved environmentally friendly profile.

### SPHERILEX® AC 45 and SPHERILEX® AC 45 HS – Benefits at a Glance

#### Superior anti-corrosion performance

- Consistent performance over multiple substrates and formulations
- Differentiated performance between the 2 grades

#### Broad applicability

- Easy-to formulate in in waterborne, solventborne and powder coatings
- Suitable for protective, marine, auto and general industrial applications

#### Minimal impact on mechanical properties

- Maintains good adhesion before and after salt spray testing for long-term durability
- Improved abrasion resistance







Click or scan the QR-code for more information!

## Corrosion protection that you can trust. Good for your formulations, good for the environment.

As demonstrated in the accelerated corrosion tests, our products deliver consistent performance after prolonged salt fog exposure.

Both SPHERILEX® AC grades have shown improved corrosion protection across different formulations and against some of the most common types of anticorrosion pigments.

### Q-Fog @ 1500 hr (ASTM B117)

Control	Ion-exchanged Silica	SPHERILEX® AC 45	SPHERILEX® AC 45 HS
			
Average Creep (mm)			
13.4	4.3	2.8	2.9
Average Delamination (mm)			
77.5	20.1	19.6	17.7

2K waterborne epoxy primer, with 4.5% on total formula.  
Substrate: Cold Rolled Steel.

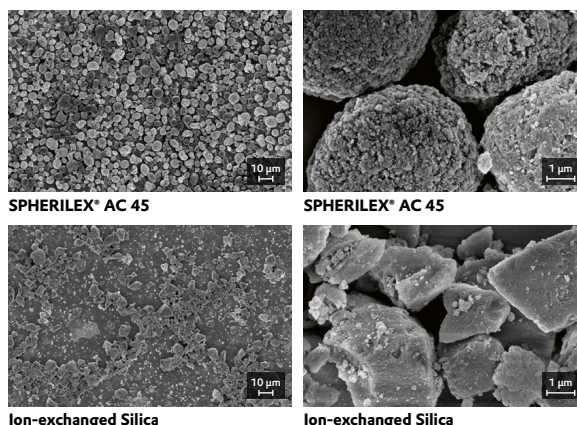
### Products Overview

PRODUCT NAME	APPLICATION
SPHERILEX® AC 45	Broad applicability across waterborne, solventborne, high solids and powder coatings
SPHERILEX® AC 45 HS	Improved performance for solventborne and more technically demanding applications

## The performance of calcium silicate anticorrosion technology finally meets the benefits of our round-shaped SPHERILEX® silica.

The porous morphology increases accessible calcium and effectiveness for passivation.

The unique spherical shape allows for easier and more even dispersion, compared to angular-shaped alternatives, enhancing **film hardness** and **abrasion resistance**.



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**EVONIK OPERATIONS GMBH**  
Goldschmidtstraße 100  
45127 Essen  
Germany  
Phone +49 201 173-2222  
coating-additives@evonik.com  
[www.coating-additives.com](http://www.coating-additives.com)